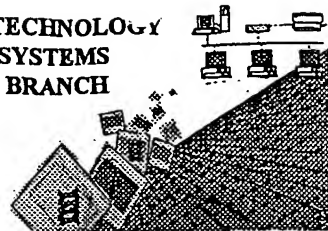
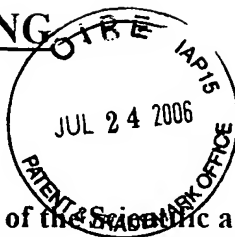


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/508,759

Source: PG/10

Date Processed by STIC: 9/29/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,
Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary



ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/508,759

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not** exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/508,759

DATE: 09/29/2004
TIME: 16:59:56

Input Set : A:\30215APG_SEQ.txt
Output Set: N:\CRF4\09292004\J508759.raw

3 <110> APPLICANT: APROGEN INC.
5 <120> TITLE OF INVENTION: HUMANIZED ANTIBODY AND PROCESS FOR PREPARING SAME
7 <130> FILE REFERENCE: PCA30215/APG
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/508,759
C--> 9 <141> CURRENT FILING DATE: 2004-09-22

9 <150> PRIOR APPLICATION NUMBER: KR10-2002-0015708
10 <151> PRIOR FILING DATE: 2002-03-22
12 <160> NUMBER OF SEQ ID NOS: 38
14 <170> SOFTWARE: KopatentIn 1.71
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 345
18 <212> TYPE: DNA

19 <213> ORGANISM: Artificial Sequence

21 <220> FEATURE:

22 <223> OTHER INFORMATION: HEAVY CHAIN of HZVII

24 <400> SEQUENCE: 1

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27 tcctgcaaag cttctggcta caccttcacc agtgcttgga tgaactgggt gcgacaggcc
29 cctggacagg gtcttgagtg gatgggacgg atttacccta gtggtggaag cactagctac
31 gcacagaagt tccagggcag agtcacaatg actgcagaca aatccacgag cacagtctac
33 atggagctca gcagcctgag atctgaggac acggcggtgt attactgtgc aagagagtag
35 cgggttgccc gttggggcca aggaactctg gtcactgtct cttca

38 <210> SEQ ID NO: 2

39 <211> LENGTH: 115

40 <212> TYPE: PRT

41 <213> ORGANISM: Artificial Sequence

43 <220> FEATURE:

44 <223> OTHER INFORMATION: HEAVY CHAIN of HZVII

47 <400> SEQUENCE: 2

48 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Ala Pro Gly Ala
49 1 5 10 15
51 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ala
52 20 25 30
54 Trp Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
55 35 40 45
57 Gly Arg Ile Tyr Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
58 50 55 60
60 Gln Gly Arg Val Thr Met Thr Ala Asp Lys Ser Thr Ser Thr Val Tyr
61 65 70 75 80
63 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
64 85 90 95
66 Ala Arg Glu Tyr Arg Val Ala Arg Trp Gly Gln Gly Thr Leu Val Thr
67 100 105 110

pp 1-5
Does Not Comply
Corrected Diskette Needed

give source of genetic material -
60 see
120 Item 11
180 on Enor
240 summary
300 sheet
345

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/508,759

DATE: 09/29/2004

TIME: 16:59:56

Input Set : A:\30215APG_SEQ.txt

Output Set: N:\CRF4\09292004\J508759.raw

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69 Val Ser Ala
70      115
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74 <211> LENGTH: 336
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: LIGHT CHAIN of HZVII
82 <400> SEQUENCE: 3
83 gatatcgtga tgacccaaac tccactttct ttgtcgggta cccctggaca accagcctct      60
85 atctcttgca agtcaagtca gagcctctta tatagtaatg gaaaaaccta tttgaattgg      120
87 ttattacaga agccaggcca gcctccacag cgctaatact atctgggtgc taatcggggac      180
89 tctggagtcc ctgacagggt cagtggcagt ggatcaggaa cagattttac actgaaaatc      240
91 agcagagtgg aggctgagga tgttggagtt tattactgcg tgcaagggtac acattttcct      300
93 cagacgttcg gtggaggcac caaggtggaa atcaaa      336
96 <210> SEQ ID NO: 4
97 <211> LENGTH: 112
98 <212> TYPE: PRT
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: LIGHT CHAIN of HZVII
105 <400> SEQUENCE: 4
106 Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
107   1           5           10           15
109 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
110           20           25           30
112 Asn Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Lys Pro Gly Gln Pro
113           35           40           45
115 Pro Gln Arg Leu Ile Tyr Leu Val Ser Asn Arg Asp Ser Gly Val Pro
116           50           55           60
118 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
119   65           70           75           80
121 Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Val Gln Gly
122           85           90           95
124 Thr His Phe Pro Gln Thr Phe Gly Gly Thr Lys Val Glu Ile Lys
125           100          105          110

130 <210> SEQ ID NO: 5
131 <211> LENGTH: 26
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Ryu94
139 <400> SEQUENCE: 5
140 gagaattcac attcagatg tacttg      26
143 <210> SEQ ID NO: 6
144 <211> LENGTH: 33
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/508,759

DATE: 09/29/2004

TIME: 16:59:56

Input Set : A:\30215APG_SEQ.txt

Output Set: N:\CRF4\09292004\J508759.raw

149 <223> OTHER INFORMATION: HUR43-1
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 153 ctgctgcagc tggacctgac tctggacacc att 33
 156 <210> SEQ ID NO: 7
 157 <211> LENGTH: 33
 158 <212> TYPE: DNA
 159 <213> ORGANISM: Artificial Sequence
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: HUR44-1
 165 <400> SEQUENCE: 7
 166 caggtccagc tgcagcagtc tggacctgaa ctg 33
 169 <210> SEQ ID NO: 8
 170 <211> LENGTH: 33
 171 <212> TYPE: DNA
 172 <213> ORGANISM: Artificial Sequence
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: HUR45-1
 178 <400> SEQUENCE: 8
 179 tgggcccttg gtggaggctg cagagacagt gac 33
 182 <210> SEQ ID NO: 9
 183 <211> LENGTH: 33
 184 <212> TYPE: DNA
 185 <213> ORGANISM: Artificial Sequence
 187 <220> FEATURE:
 188 <223> OTHER INFORMATION: HUR46-1
 191 <400> SEQUENCE: 9
 192 gcctccacca agggcccatc ggtcttcccc ctg 33
 195 <210> SEQ ID NO: 10
 196 <211> LENGTH: 28
 197 <212> TYPE: DNA
 198 <213> ORGANISM: Artificial Sequence
 200 <220> FEATURE:
 201 <223> OTHER INFORMATION: HUR31
 204 <400> SEQUENCE: 10
 205 cagcggccgc tcatttaccg ggggacag 28
 208 <210> SEQ ID NO: 11
 209 <211> LENGTH: 26
 210 <212> TYPE: DNA
 211 <213> ORGANISM: Artificial Sequence
 213 <220> FEATURE:
 214 <223> OTHER INFORMATION: Ryu86
 217 <400> SEQUENCE: 11
 218 caaagcttgg aagcaagatg gattca 26
 221 <210> SEQ ID NO: 12
 222 <211> LENGTH: 27
 223 <212> TYPE: DNA
 224 <213> ORGANISM: Artificial Sequence
 226 <220> FEATURE:
 227 <223> OTHER INFORMATION: HUR48

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/508,759

DATE: 09/29/2004

TIME: 16:59:56

Input Set : A:\30215APG_SEQ.txt

Output Set: N:\CRF4\09292004\J508759.raw

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231 caagatatcc ccacaggtac cagatac 27
234 <210> SEQ ID NO: 13
235 <211> LENGTH: 27
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
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243 <400> SEQUENCE: 13
244 tgtggggata tcttgatgac ccaaact 27
247 <210> SEQ ID NO: 14
248 <211> LENGTH: 27
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: HUR50
256 <400> SEQUENCE: 14
257 cacagatctt ttgatttcca gcttggt 27
260 <210> SEQ ID NO: 15
261 <211> LENGTH: 27
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: HUR51
269 <400> SEQUENCE: 15
270 atcaaaagat ctgtggctgc accatct 27
273 <210> SEQ ID NO: 16
274 <211> LENGTH: 58
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence.
278 <220> FEATURE:
279 <223> OTHER INFORMATION: CK1D
282 <400> SEQUENCE: 16
283 gcgccgtcta gaattaacac tctccctgt tgaagctctt tgtgacgggc gaactcag 58
286 <210> SEQ ID NO: 17
287 <211> LENGTH: 27
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: YM001N
295 <400> SEQUENCE: 17
296 ccggaattca cattcacgat gtacttg 27
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300 <211> LENGTH: 16
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: YM003
308 <400> SEQUENCE: 18

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/508,759

DATE: 09/29/2004

TIME: 16:59:56

Input Set : A:\30215APG_SEQ.txt

Output Set: N:\CRF4\09292004\J508759.raw

309 tgccccccaga ggtgct 16

312 <210> SEQ ID NO: 19

313 <211> LENGTH: 33

314 <212> TYPE: DNA

315 <213> ORGANISM: Artificial Sequence

317 <220> FEATURE:

318 <223> OTHER INFORMATION: ym257

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325 <210> SEQ ID NO: 20

326 <211> LENGTH: 31

327 <212> TYPE: DNA

328 <213> ORGANISM: Artificial Sequence

330 <220> FEATURE:

331 <223> OTHER INFORMATION: YM258

334 <400> SEQUENCE: 20

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338 <210> SEQ ID NO: 21

339 <211> LENGTH: 38

340 <212> TYPE: DNA

341 <213> ORGANISM: Artificial Sequence

343 <220> FEATURE:

344 <223> OTHER INFORMATION: YM004

347 <400> SEQUENCE: 21

348 ccaattcaaa gcggtttttc cattactata taagaggc 38

351 <210> SEQ ID NO: 22

352 <211> LENGTH: 32

353 <212> TYPE: DNA

354 <213> ORGANISM: Artificial Sequence

356 <220> FEATURE:

357 <223> OTHER INFORMATION: YM009

360 <400> SEQUENCE: 22

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364 <210> SEQ ID NO: 23

365 <211> LENGTH: 39

366 <212> TYPE: DNA

367 <213> ORGANISM: Artificial Sequence

369 <220> FEATURE:

370 <223> OTHER INFORMATION: Ryu 166

373 <400> SEQUENCE: 23

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377 <210> SEQ ID NO: 24

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379 <212> TYPE: DNA

380 <213> ORGANISM: Artificial Sequence

382 <220> FEATURE:

383 <223> OTHER INFORMATION: Hur 37

386 <400> SEQUENCE: 24

387 gacaaatcca cgagcacagt ctacatg 27

Please correct
this type of
error in subsequent
sequences.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/508,759

DATE: 09/29/2004

TIME: 16:59:57

Input Set : A:\30215APG_SEQ.txt

Output Set: N:\CRF4\09292004\J508759.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date